

Attorney: Cynthia A. Bonner

Docket No.: 45974/CAB/8696

Inventor(s): Werner, et al

Title: SURFACE ASSEMBLY FOR IMMOBILIZING DNA CAPTURE PROBES AND BEAD-BASED ASSAYS INCLUDING OPTICAL BIO-DISCS AND METHODS RELATING THEREIN

Sheet 1 of 25

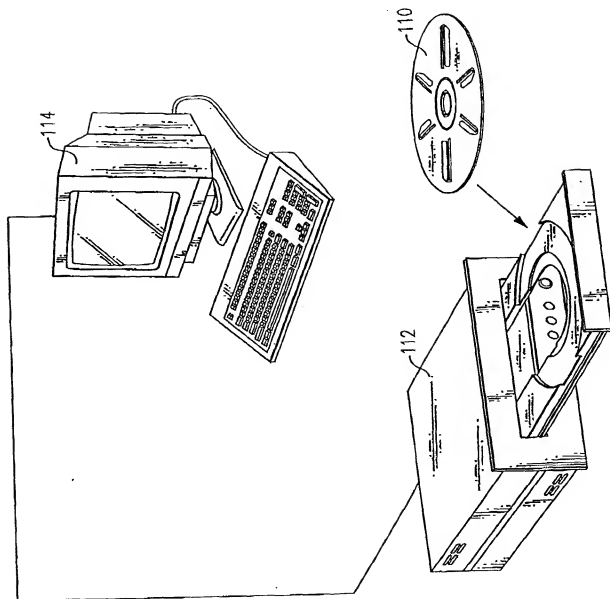


FIG. 1

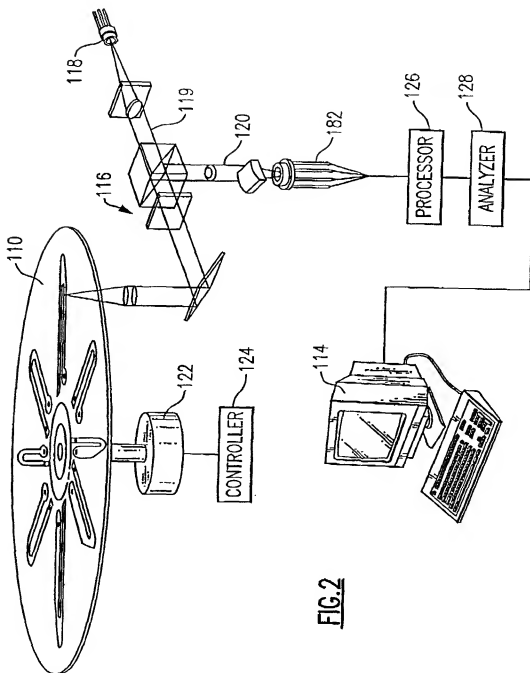
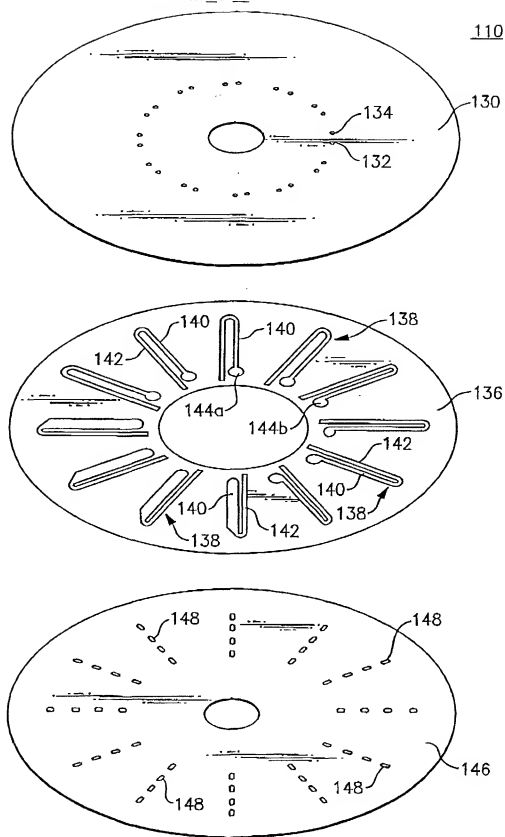


FIG. 2

FIG. 3



Attorney: Cynthia A. Bonner
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Title: SURFACE ASSEMBLY FOR IMMOBILIZING DNA CAPTURE
OF DNA FOR ANALYSIS OF GENOTYPE, OPTICAL AND BULK
IN MEMBRANE AND THERMALLY

Sheet 4 of 25

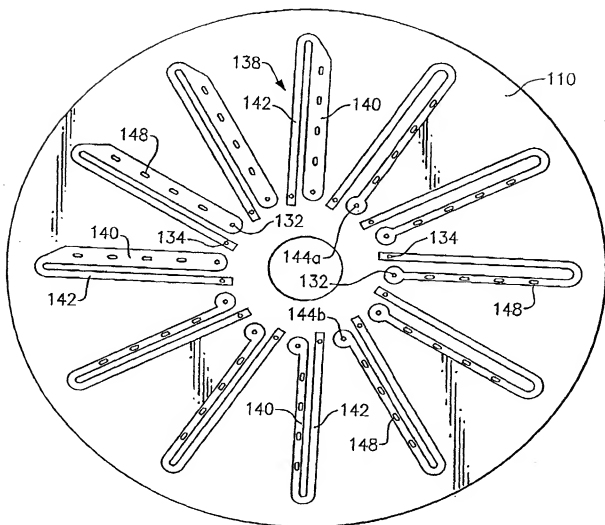


FIG. 4

Sheet 5 of 25

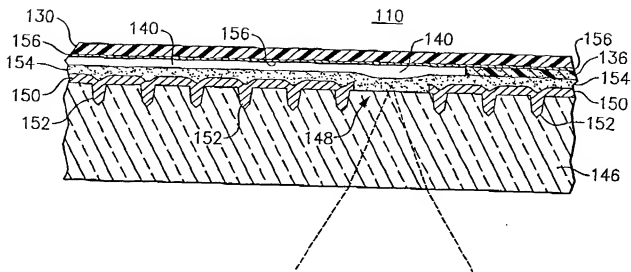


FIG. 6

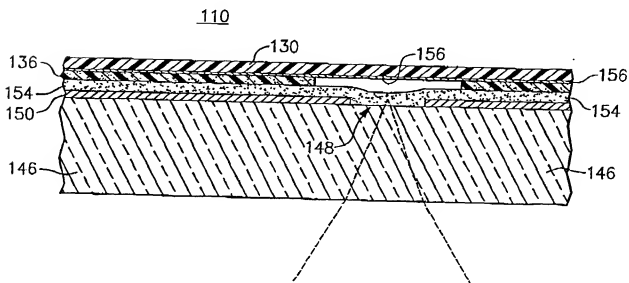
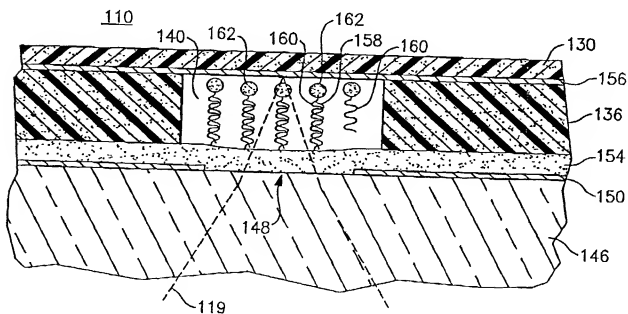
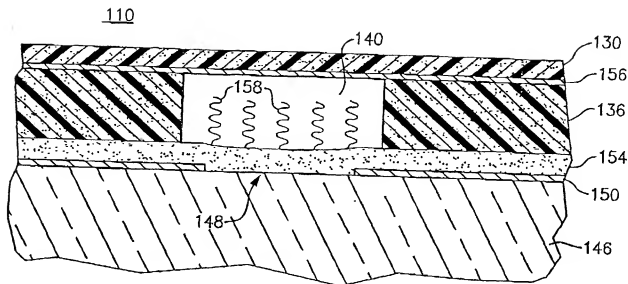
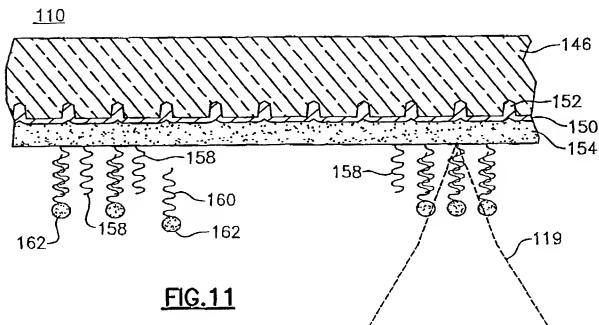
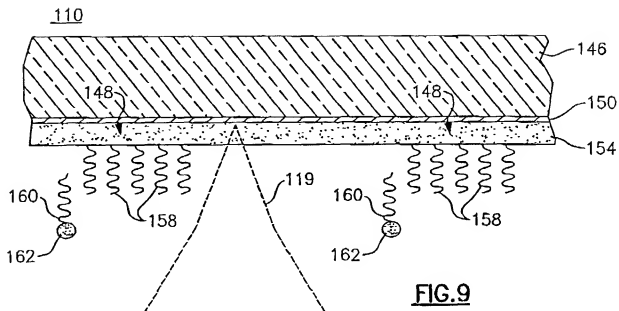


FIG.7





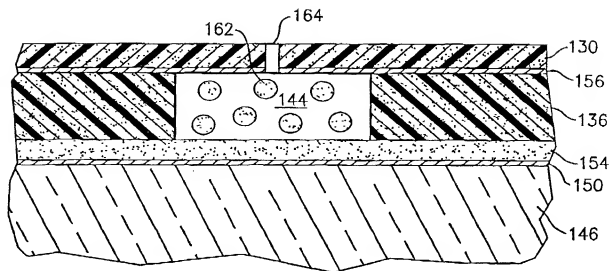


FIG. 12

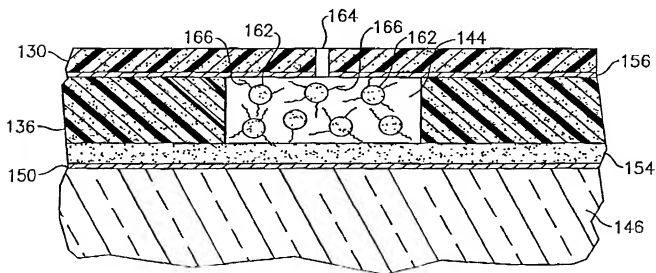
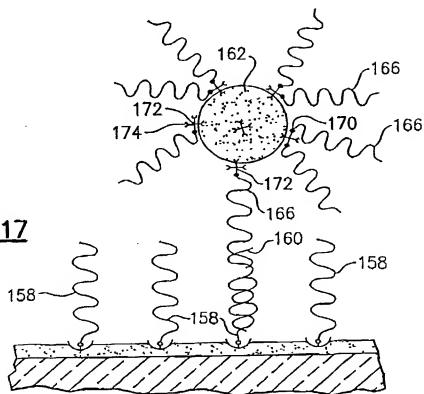
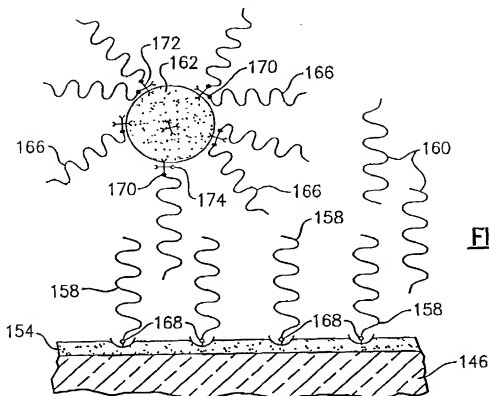


FIG. 13



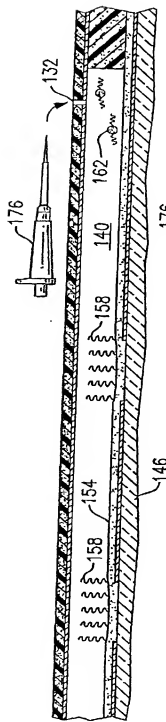


FIG. 18A

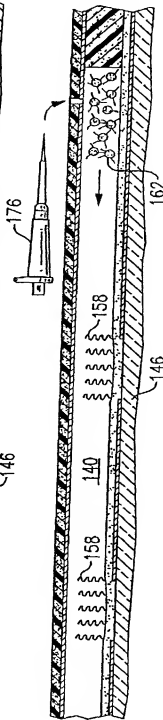


FIG. 18B

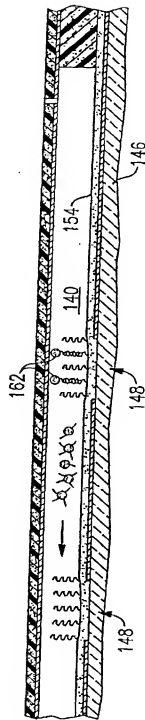


FIG. 18C

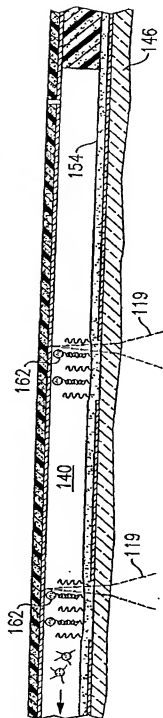


FIG. 18D

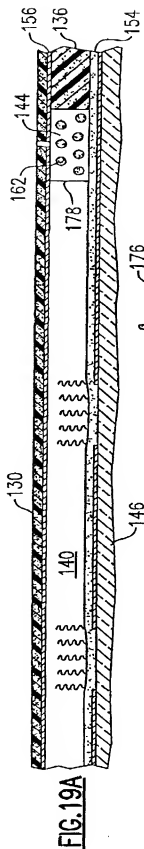


FIG. 19A

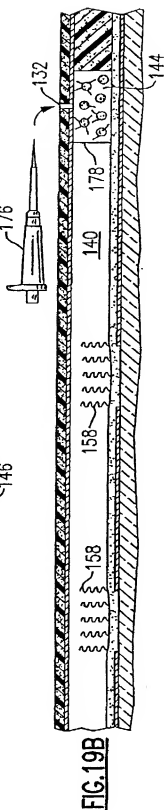


FIG. 19B

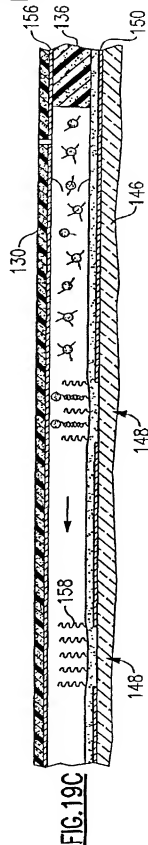


FIG. 19C

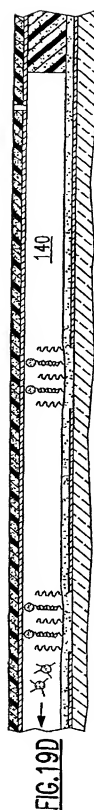


FIG. 19D

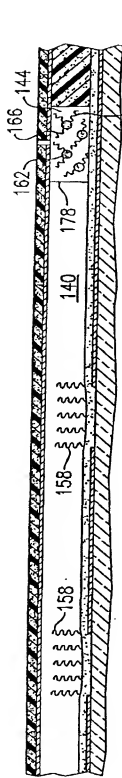


FIG. 20A

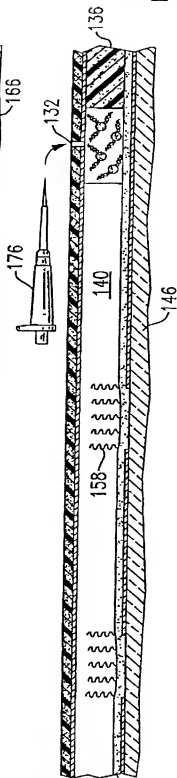


FIG. 20B

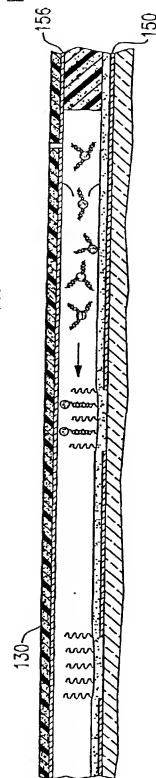


FIG. 20C

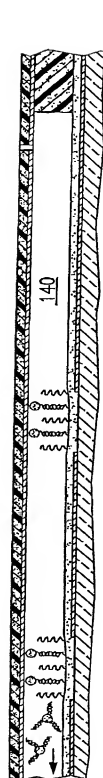
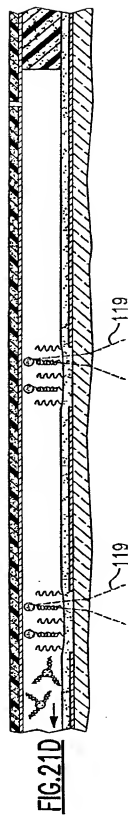
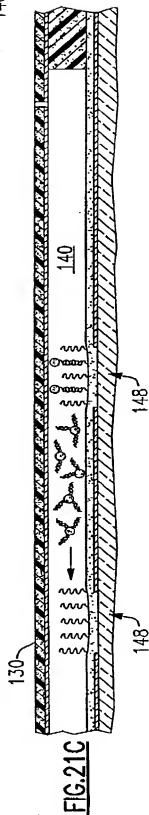
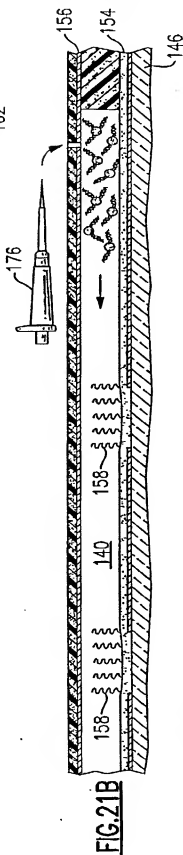
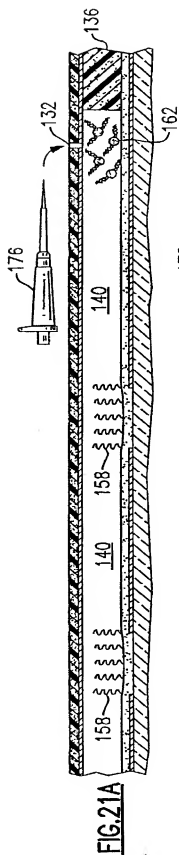


FIG. 20D



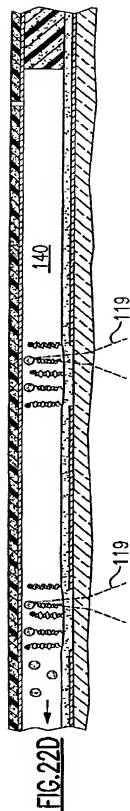
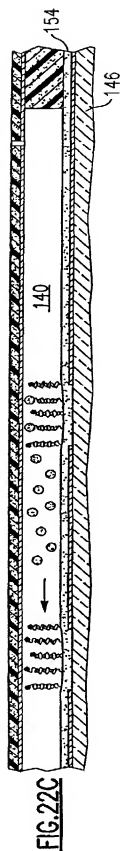
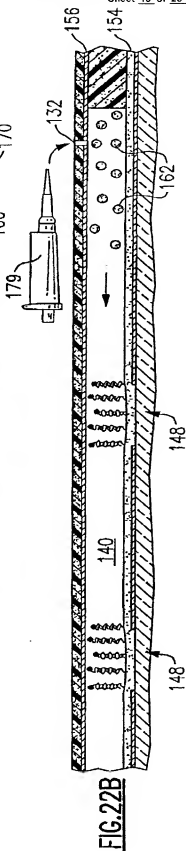
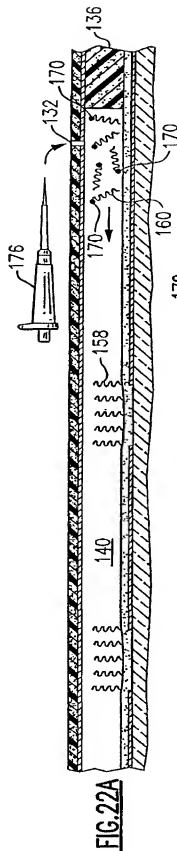
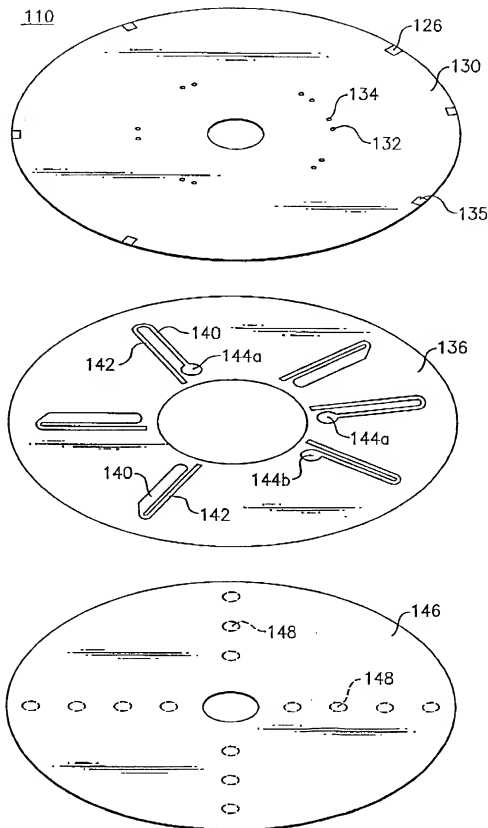
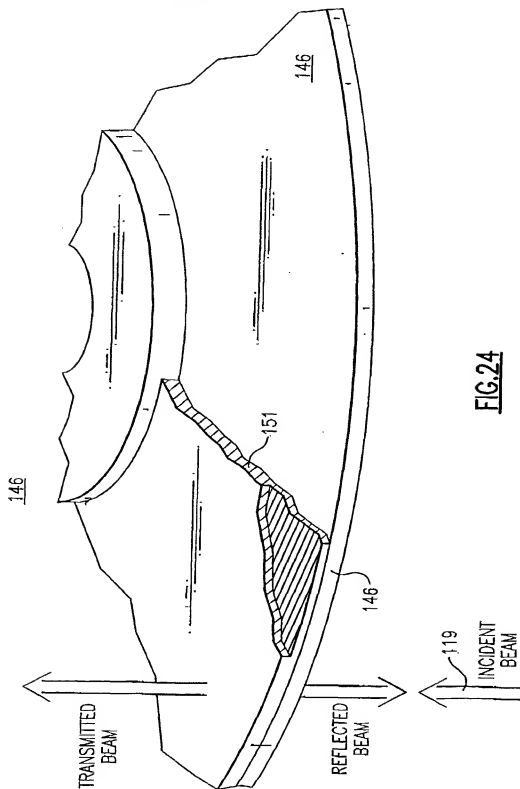


FIG. 23





110

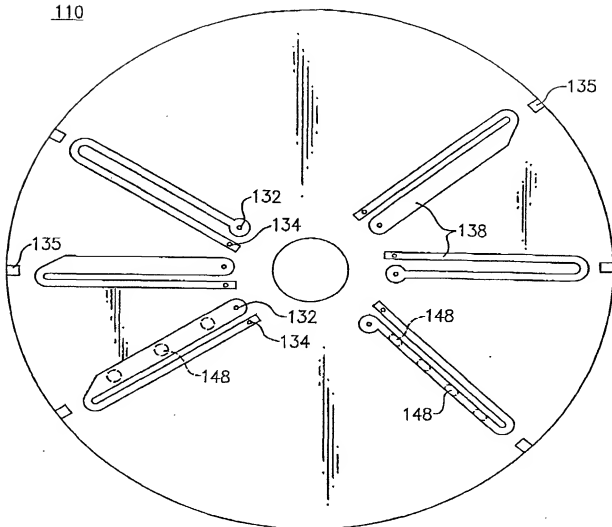


FIG. 25

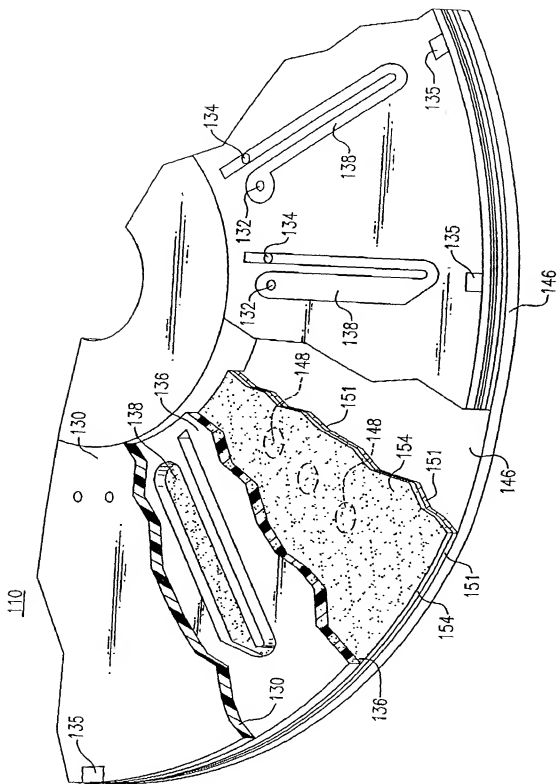


FIG. 26

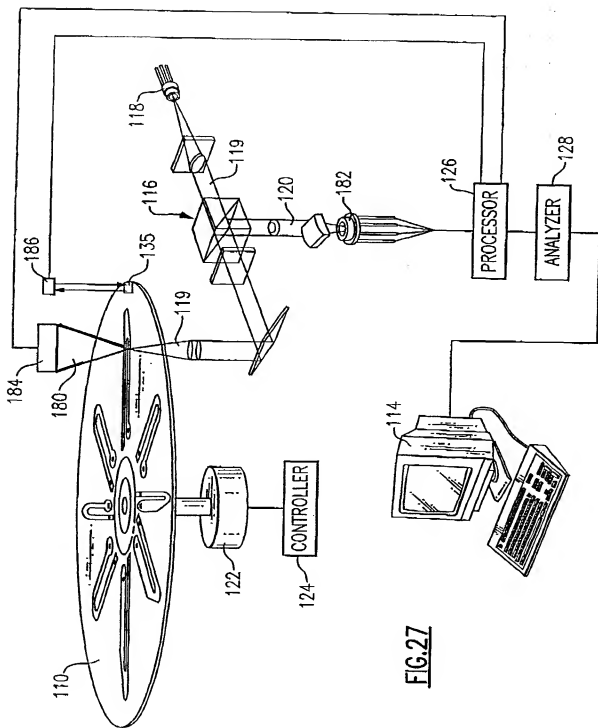


FIG. 27

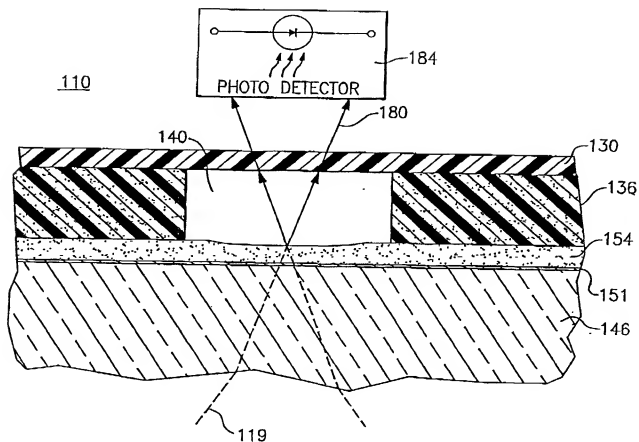


FIG.28

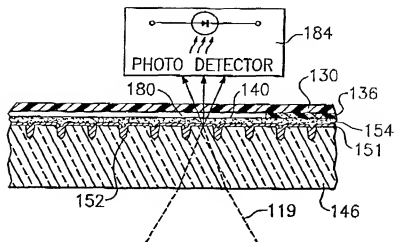


FIG. 29

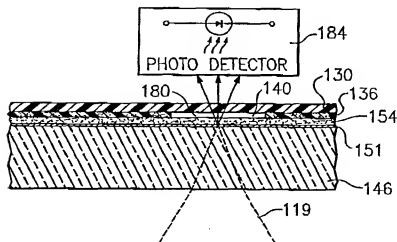


FIG. 30

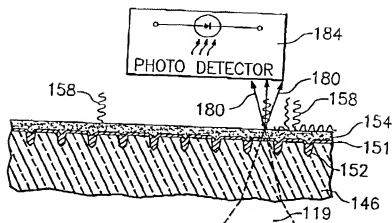


FIG. 31

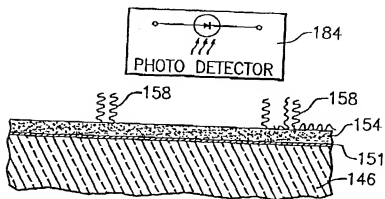


FIG. 32

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Sheet 25 of 25

QWID ASSAY

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DATE DISC ID CENTRIFUGE TIME ☒

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FINISHED

TEST

FIG. 33